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Bien Air Curing Light Installation Guide

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STANDARD HANDPIECE TUBING REMOVAL

NOTE
Determine which current handpiece position will be replaced with the Bien Air Curing Light. Ask unit owner to indicate preferred placement.

(1) Press release button and lift cover of delivery unit. Using lid support rod, prop cover in fully open position.

(2) Disconnect two pieces of 1/8 in. handpiece tubing (1, Figure 1) from kink valve assembly (2).

(3) Disconnect 1/4 in. grey handpiece tubing (3) from 1/4 in. clear tubing (4).

(4) Cut cable tie (5); then disconnect 1/4 in. grey handpiece tubing (6) from connector fitting (7).

(5) Remove handpiece tubing (8) from delivery unit.

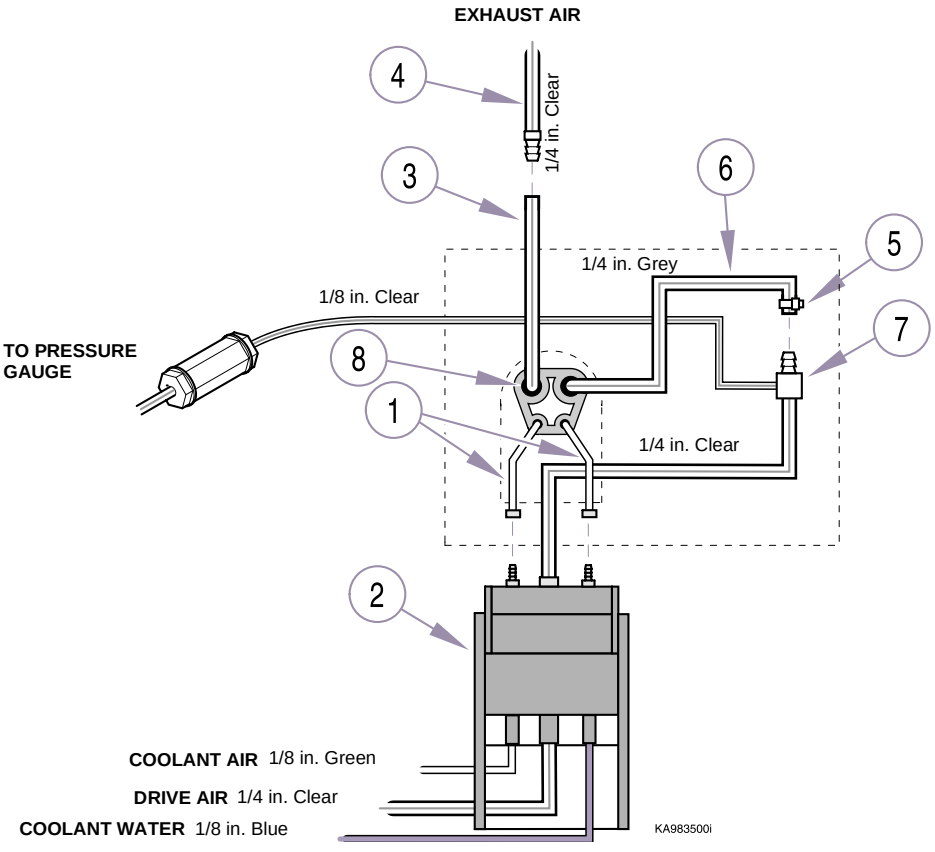

Figure 1. Standard Handpiece Tubing Removal

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BIEN AIR CURING LIGHT INSTALLATION

NOTE
One of the two screws (3) will push down into top of control module when tightened; this is normal and will not damage the control module.

(1) Install electric handpiece bracket (1, Figure 2) on bottom side of delivery unit housing (2) and secure with two screws (3).

(2) Feed four 18” wires (4) [black, red, blue, and brown] up thru wire hole (A).

(3) Feed two 3/16 in. clear tubes (5) up thru wire hole (A).

(4) Run curing light handpiece tubing (5) up thru tubing hole (B) in delivery unit housing (2).

(5) Secure electric handpiece tubing (6) to delivery unit housing (2) with clamp pad (7) and cable tie (8).

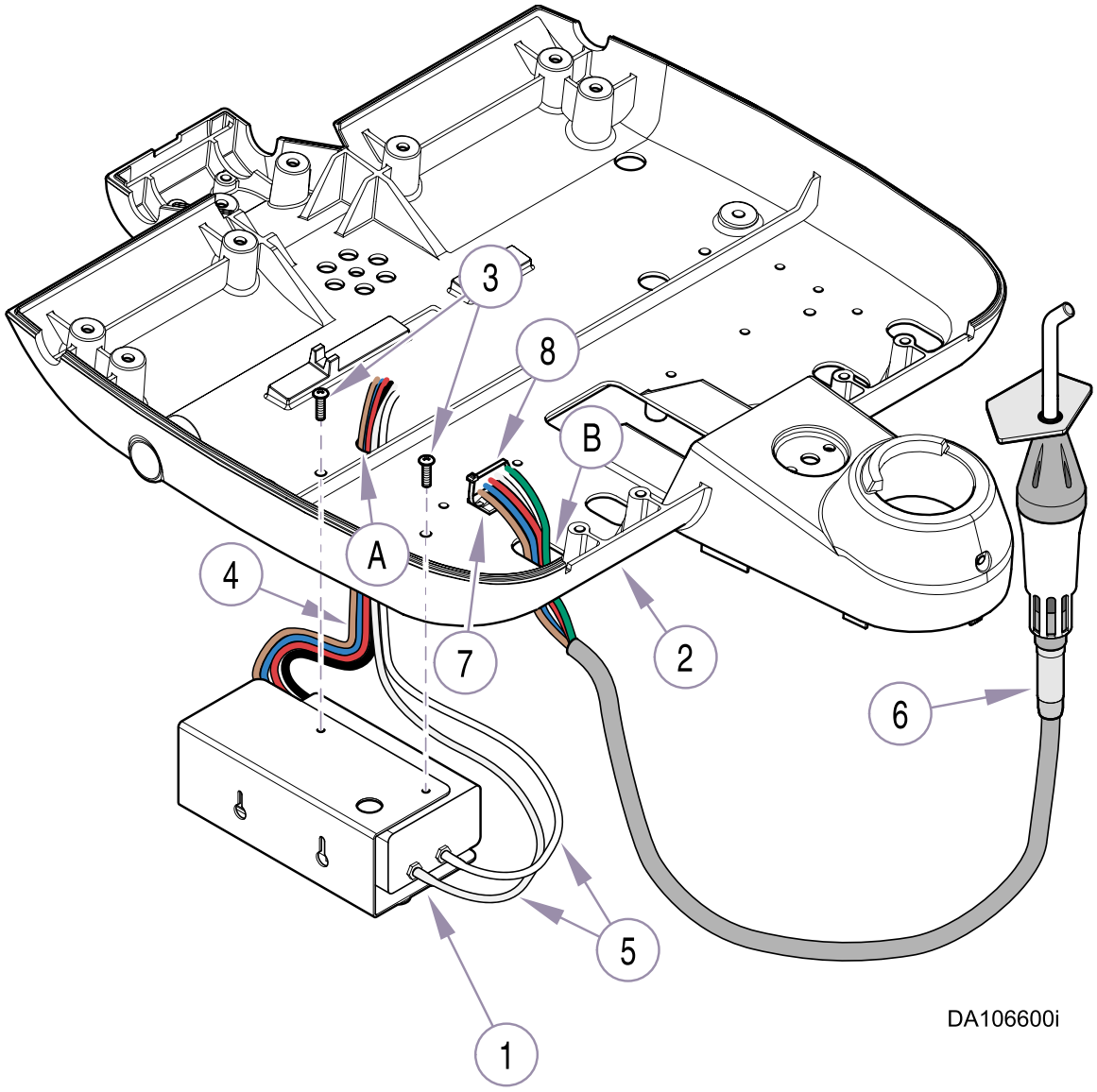

Figure 2. Electric Handpiece Components Installation

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TUBING CONNECTIONS

NOTE
Install 1/4 in. sleeve clamps onto 1/4 in. tubing and 1/8 in. uni-clamps (included w/kit) onto 1/8 in. tubing before making connections in the following procedures.

(1) Connect 1/8 in. green tubing (1, Figure 3) ***[from curing light tubing]*** to fitting (A) of kink valve (2). Secure tubing using 1/8 in. uni-clamp.

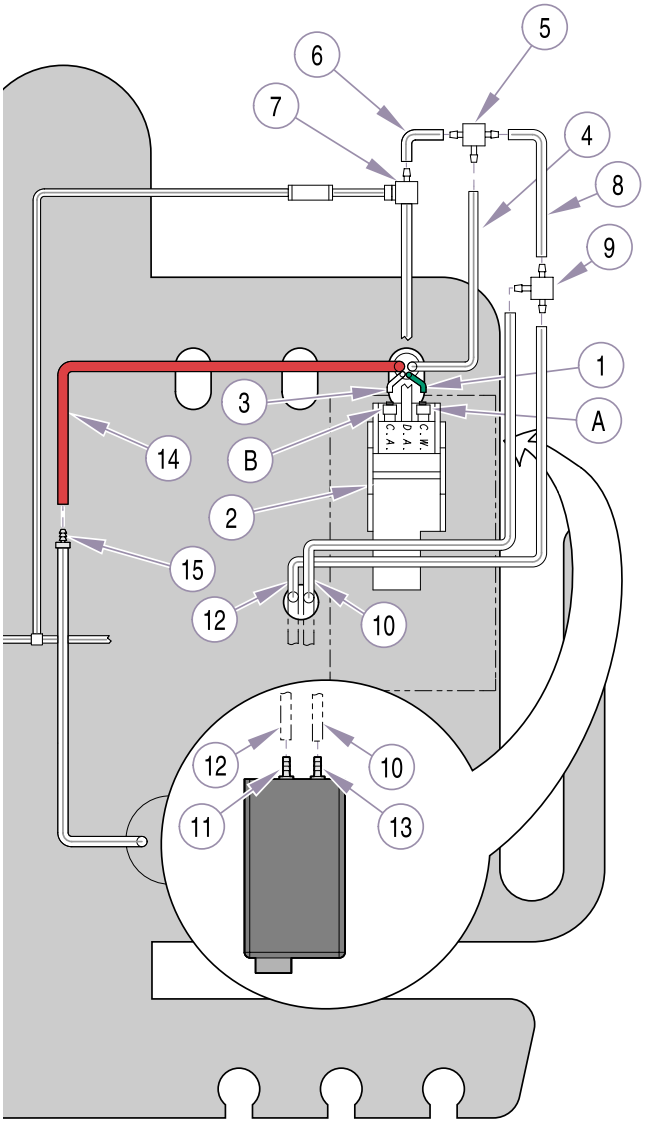

Figure 3. Electric Handpiece Tubing Connections

(2) Connect 1/8 in. white tubing (3) ***[from curing light tubing]*** to fitting (B) of kink valve (2). Secure tubing using 1/8 in. uni-clamp.

(3) Connect 1/4 in. clear tubing (4) ***[from curing light tubing]*** to tee (5) (provided with kit).

(4) Cut off a 2 in. (5 cm) length of tubing (6) from the piece of 1/4 in. clear tubing provided with kit.

NOTE
1/4 in. sleeve clamps are not necessary to secure tubing on plastic fitting; only on metal ones.

(5) Connect one end of 1/4 in. clear tubing (6) to tee (5) and the other end to fitting (7) ***[from drive air line of kink valve]***. Secure tubing using 1/4 in. O.D. sleeve clamp.

(6) Connect one end of 5 in. length of 1/4 in. clear tubing (8) to tee (5) and the other end to tee (9). Secure tubing using 1/4 in. O.D. sleeve clamp.

(7) Connect one end of 8 in. length of 1/4 in. clear tubing (10) to tee (9) and the other end to fitting (11) ***[labeled "footcontrol" on Bien Air Control Module]***. Secure tubing using 1/4 in. O.D. sleeve clamp.

(8) Connect one end of 8 in. length of 1/4 in. clear tubing (12) to tee (9) and the other end to fitting (13) ***[labeled "holder" on Bien Air Control Module]***. Secure tubing using 1/4 in. O.D. sleeve clamp.

(9) Connect 1/4 in. red tubing (14) ***[from curing light tubing]*** to fitting (15) ***[exhaust air line]***. Secure tubing using 1/4 in. O.D. sleeve clamp.

ELECTRICAL CONNECTIONS

NOTE
Terminals A and B of green connector on control module are labeled ***Bulb (OUTPUT)***.

(1) Connect one end of black wire (1, Figure 4) to terminal (2) ***[labeled "0"]***. Secure wire by tightening terminal screw.
Connect other end of black wire (1) to terminal A. Secure wire by tightening terminal screw.

(2) Connect one end of red wire (3, Figure 4) to terminal (4) ***[labeled "24"]***. Secure wire by tightening terminal screw.
Connect other end of red wire (3) to terminal B. Secure wire by tightening terminal screw.

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(3) Cut red and black wires (5) ***[from curing light tubing]*** off at base of tubing. These wires will not be used.

NOTE
To use wire connector (8), fully insert two unstripped wires into connector. Using pliers, squeeze wire spade (E) down onto two wires. Then, snap lid (F) shut to cover connections.

Also, Terminals C and D of green connector on control module are labeled ***24 VAC (INPUT)***.

(4) Connect one end of blue wire (6) to terminal C ***[on control module]***. Secure wire by tightening terminal screw.
Connect the other end of blue wire (6) to blue wire (7) ***[from curing light tubing]*** with a connector (8).

(5) Connect one end of brown wire (9) to terminal D ***[on control module]***. Secure wire by tightening terminal screw.
Connect the other end of brown wire (9) to brown wire (10) ***[from curing light tubing]*** with a connector (8).

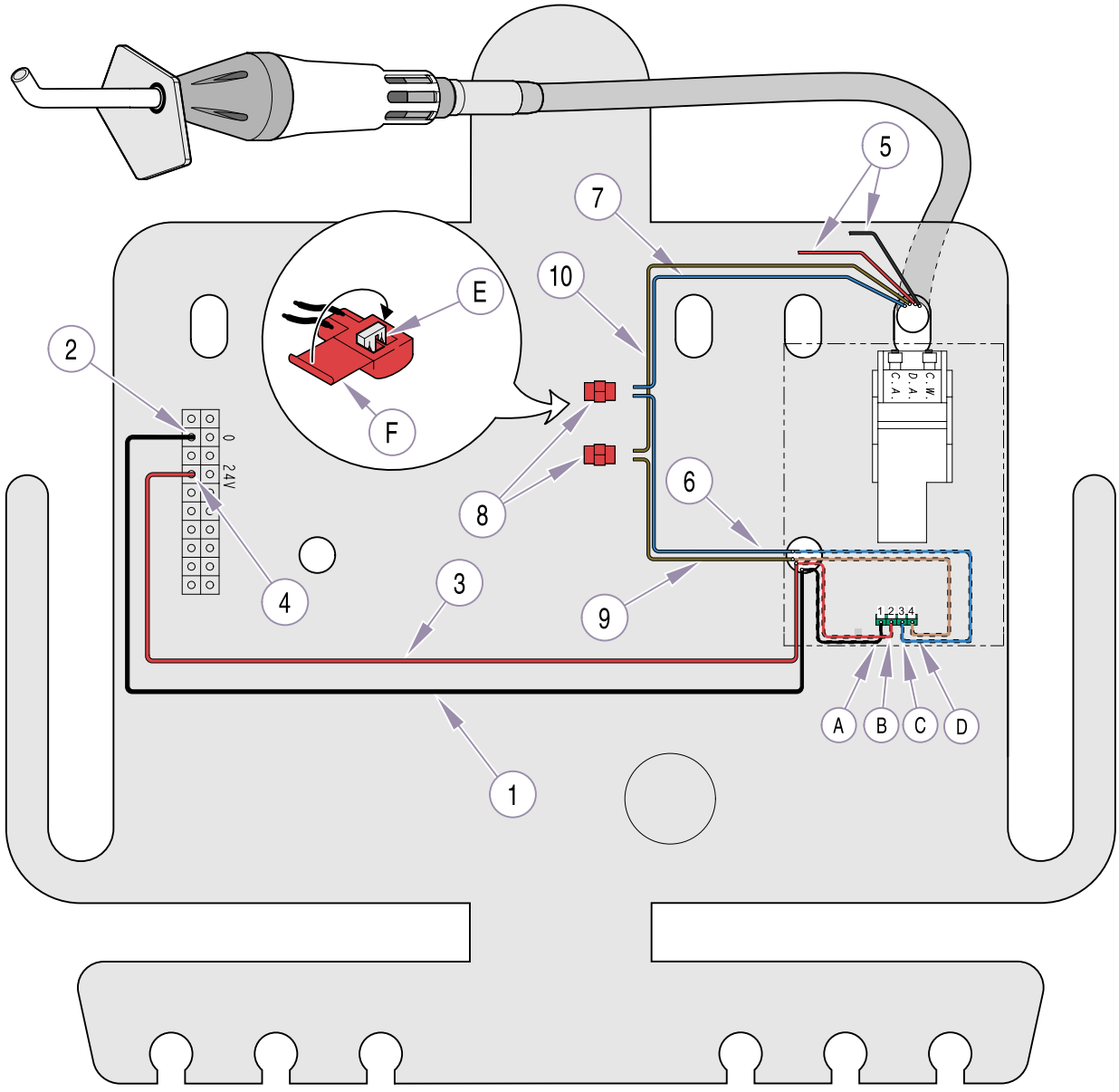

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Figure 4. Electrical Connections

COVERS / KNOB INSTALLATION

(1) Wire tie any wires or tubing up out of way as necessary.

(2) Install handpiece cover (1, Figure 5) on handpiece bracket (2) and secure with two screws (3).

OPERATION

Refer to Bien Air Curing Light Instruction Manual (supplied with this kit) for instructions on operation.

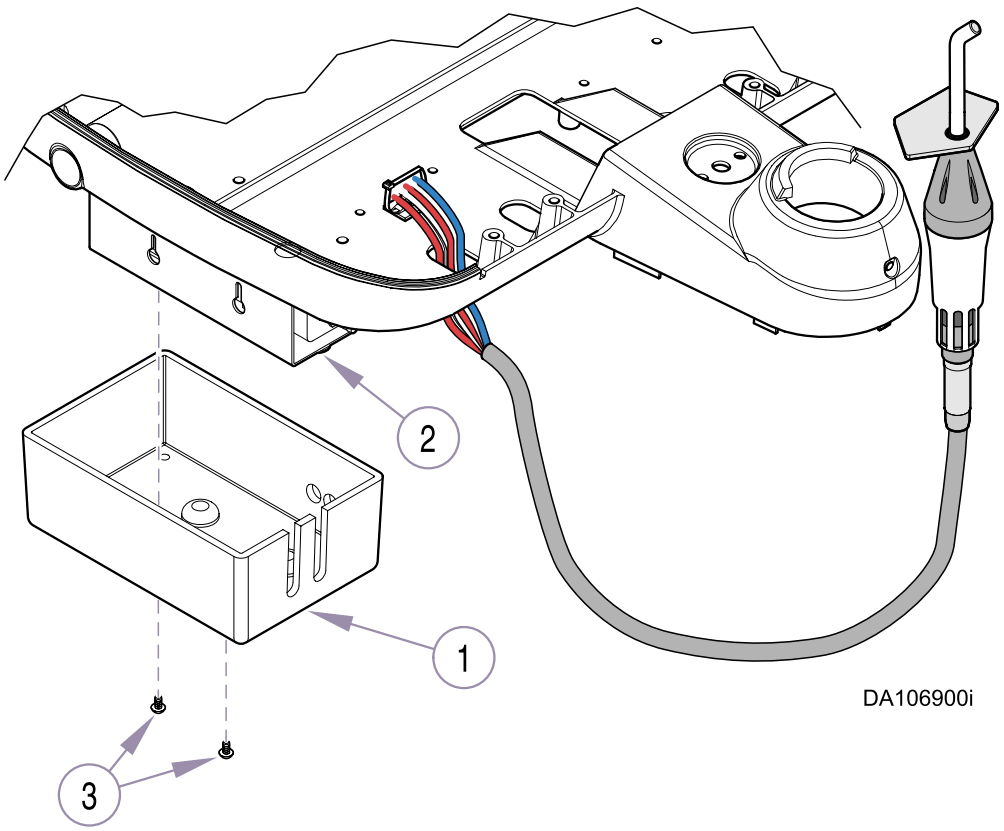

Figure 5. Covers and Knobs Installation

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